

I have not thought it requisite to give any approximate estimate of the cost of this work, as a deputation from the City Council and the members representing the city in Parliament are appointed to wait upon the Chief-Secretary, for the purpose of urging the Government to undertake the work. I may, however, say that the amount of annual loss to the citizens would do more than pay the interest upon the entire cost, and for this reason, if for no other, the work should be executed.

Apart, however, from the actual damage done by the floods, it is a source of great inconvenience to have the principal streets of the city rendered impassable by rain-storms of half an hour's duration, and this state of things should be remedied with the least possible delay, either at the expense of the Government, which has obtained immense sums of money for the ground on the northern part of the city without making any provision for the storm-waters being carried off, or by the city authorities at the joint expense of the Government and the citizens.

The Public Works Committee of the City Council lately inquired into the cost of lowering the level of Elizabeth-street, and of pitching that portion of it and Flinders-street most damaged by storm-water floods, and the estimated expense was £25,700. If Swanston-street were included, we may safely estimate the expense to be double that of a tunnel or tunnels. I, therefore, after a careful review of all the circumstances connected with the flooding of our streets, think, that to intercept the water and carry it off by a tunnel is the best and cheapest plan; and in conclusion I venture to express a hope that the necessity of doing so will be promptly recognised and the work speedily executed.

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ART. II.—*Electric Potential.* BY PROFESSOR WILSON.

[Read 8th August, 1873.]

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ART. III.—*Palladium.* By GEORGE FOORD, Esq.

[Read 8th August, 1873.]